

Title (en)  
SEAL RING

Publication  
**EP 0120987 B1 19861105 (DE)**

Application  
**EP 83107997 A 19830812**

Priority  
DE 3307470 A 19830303

Abstract (en)  
[origin: US4553763A] A seal ring has a lip ring which is at least radially resilient and has a sealing lip for sealing about a reciprocating or rotating machine part and a support surface axially spaced from the sealing lip. A reinforcing ring is radially spaced from the lip ring and coaxial therewith. An intermediate ring extends, in part, approximately parallel to the axis of the lip and reinforcing rings. It joins the lip ring at one end within the axial range of the support surface and, via the axis parallel part, joins the reinforcing ring at its other end within an axial region bounded by the sealing lip and the end of the support surface axially remote therefrom. This arrangement of the intermediate ring accommodates radial displacement of the machine part without displacing of the sealing lip from the machine part by tilting moments.

IPC 1-7  
**F16J 15/32**

IPC 8 full level  
**F16J 15/32** (2006.01); **F16J 15/3224** (2016.01)

CPC (source: EP US)  
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Cited by  
EP1096169A3; FR2623850A1; US5137285A; AU609910B2; WO8705979A1

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DOCDB simple family (publication)  
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**US 58548784 A 19840301**; AT 83107997 T 19830812; DE 3307470 A 19830303; DE 3367444 T 19830812; EP 83107997 A 19830812